

## ABSTRACT

An tie line adapter for use with a first communication system and a second communication system, the first communication system having a tie line with a first characteristic and the second communication system having a tie line with a second characteristic. The tie line adapter having a first controller for controlling the first characteristic, a second controller for controlling the second characteristic, wherein the first characteristic and the second characteristic are adjusted to match each other to allow communication between the first communication system and the second communication system.